

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Previously Presented): A method to provide additional bandwidth for a wireless ad hoc network configured to operate in a certain communication channel with a certain amount of available bandwidth comprising a plurality of wireless terminals, the method comprising:

checking by a central controller of said wireless ad hoc network whether more bandwidth than said certain amount of available bandwidth is required by said plurality of wireless terminals;

splitting up said wireless ad hoc network such that at least one additional wireless ad hoc network is spawned, if more bandwidth than said certain amount of available bandwidth is required by said plurality of wireless terminals, and

allocating additional bandwidth to the wireless ad hoc network or to the at least one additional wireless ad hoc network, wherein

after the splitting up of said wireless ad hoc network, at least one wireless terminal of said wireless ad hoc network and/or one or more new wireless terminals belong(s) to said at least one additional wireless ad hoc network, and

said at least one additional wireless ad hoc network is operating in a respective different communication channel.

Claim 2 (Previously Presented): The method according to claim 1, further comprising:

controlling said wireless ad hoc network and the splitting up of said wireless ad hoc network by said central controller of said wireless ad hoc network that decides which wireless

terminals of said wireless ad hoc network and/or which new wireless terminals are moved to said at least one new wireless ad hoc network, wherein

the decision is based on certain separation criteria, which said certain separation criteria assure that wireless terminals that have the same convergence layers, and/or are of the same application layer, and/or have the same connection, and/or provide the same or corresponding functions are not separated into different wireless ad hoc networks, and

said central controller determines a new central controller for said at least one new wireless ad hoc network.

Claim 3 (Previously Presented): The method according to claim 1, further comprising:

operating said wireless ad hoc network and said at least one new wireless ad hoc network according to the IEEE802.11 or ETSI BRAN HIPERLAN/2 standard.

Claim 4 (Previously Presented): The method according to claim 2, wherein said certain separation criteria assure that wireless terminals with certain connections that should not be interrupted are not moved to said at least one new wireless ad hoc network.

Claim 5 (Previously Presented): The method according to claim 1, further comprising:

providing new commands in order to spawn said at least one new wireless ad hoc network, wherein

a requesting command (SPAWN_NETWORK) is sent to a request wireless terminal to ask this request wireless terminal to move to said at least one new ad hoc wireless network, and

a confirmation command (SPAWN_NETWORK_ACK) is used by a request wireless terminal to signal that it can move to said at least one new ad hoc wireless network.

Claim 6 (Previously Presented): The method according to claim 5, wherein a wireless terminal stops using its entire wireless connections the moment said terminal sent out said confirmation command (SPAWN_NETWORK_ACK), moves to one of said at least one new wireless ad hoc network, waits until said terminal receives a start command (RLC_CC_START_OPERATION) sent out by a central controller, and then starts using its wireless connections according to the information provided by said start command (RLC_CC_START_OPERATION).

Claim 7 (Previously Presented): A wireless terminal of a wireless ad hoc network configured to be controlled by a central controller of said wireless ad hoc network comprising:

a receiving unit configured to receive a requesting command (SPAWN_NETWORK) from the central controller indicating certain operating conditions for the wireless terminal to ask the wireless terminal to move to a new ad hoc wireless network and to leave said wireless ad hoc network;

a condition checking unit configured to check if the wireless terminal can be operated under said certain conditions; and

a sending unit configured to send out a confirmation command (SPAWN_NETWORK_ACK), if the condition checking unit determines that the wireless terminal can be operated under said certain conditions to signal that the wireless terminal can move to said new wireless network.

Claim 8 (Previously Presented): The wireless terminal according to claim 7, wherein said certain conditions define if said wireless terminal can operate as a central controller of a wireless ad hoc network, a certain communication channel at which said wireless terminal is able to operate, and/or a moment in time at which said wireless terminal shall operate in said certain communication channel and at which it may be controlled by a different central controller.

Claim 9 (Previously Presented): A central controller of a wireless ad hoc network including a plurality of wireless terminals, comprising:

a splitting unit configured to control the splitting of said wireless ad hoc network, wherein an additional wireless ad hoc network is spawned that includes at least one of said plurality of wireless terminals and/or one or more new wireless terminals, wherein

the central controller is configured to check whether more bandwidth than a certain amount of available bandwidth is required by said plurality of wireless terminals, and

the central controller is further configured to allocate additional bandwidth to the wireless ad hoc network or to the additional wireless ad hoc network if more bandwidth than the certain amount of available bandwidth is required.

Claim 10 (Previously Presented): The central controller according to claim 9,
wherein the splitting unit includes:

a sending unit configured to send out requesting commands (SPAWN_NETWORK)
to wireless terminals;

a receiving unit configured to receive confirmation commands
(SPAWN_NETWORK_ACK); and

an operating unit configured to decide which of said plurality of wireless terminals
and/or of said new wireless terminals may be moved to said new wireless ad hoc network and
determines a wireless terminal of said plurality of wireless terminals and/or of said new
wireless terminals that becomes the central controller of said new wireless ad hoc network.

Claim 11 (Previously Presented): A wireless ad hoc network, comprising:

a plurality of wireless terminals according to claim 7; and

a central controller including a splitting unit configured to control the splitting of said
wireless ad hoc network, wherein a new wireless ad hoc network is spawned that includes at
least one of said plurality of wireless terminals and/or one or more new wireless terminals,
wherein

the central controller is configured to check whether more bandwidth than a certain
amount of available bandwidth is required by said plurality of wireless terminals.